

A level Physics in Sixth Form

1 x A level

AS Physics can be sat after year 1

A2 exam includes all of year 1 and year 2 content

AS (7407) A-level (7408) AQA

AS Physics Year 1

Subject content

- Measurements and their errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity

AS practical assessment

- Use of apparatus and techniques
- AS required practical activities
- Practical skills to be assessed in written papers

Paper 1	+	Paper 2
What's assessed Sections 1–5		What's assessed Sections 1–5
Assessed <ul style="list-style-type: none"> • written exam: 1 hour 30 minutes • 70 marks • 50% of AS 		Assessed <ul style="list-style-type: none"> • written exam: 1 hour 30 minutes • 70 marks • 50% of AS
Questions 70 marks of short and long answer questions split by topic.		Questions Section A: 20 marks of short and long answer questions on practical skills and data analysis Section B: 20 marks of short and long answer questions from across all areas of AS content Section C: 30 multiple choice questions

A2 Physics Year 2

Subject content

- Further mechanics and thermal physics
- Fields and their consequences
- Nuclear physics

One of five optional topics to tailor the course to your interest

- Astrophysics
- Medical physics
- Turning points in physics
- Engineering physics (re-branded applied physics)
- Electronics.

A2 practical assessment

- Use of apparatus and techniques
- A-level required practical activities
- Practical skills to be assessed in written papers
- A-level practical skills assessed via endorsement

Paper 1	+	Paper 2	+	Paper 3
What's assessed Sections 1–5 and 6.1 (Periodic motion)		What's assessed Sections 6.2 (Thermal Physics), 7 and 8 Assumed knowledge from sections 1 to 6.1		What's assessed Section A: Compulsory section: Practical skills and data analysis Section B: Students enter for one of sections 9, 10, 11, 12 or 13
Assessed <ul style="list-style-type: none"> • written exam: 2 hours • 85 marks • 34% of A-level 		Assessed <ul style="list-style-type: none"> • written exam: 2 hours • 85 marks • 34% of A-level 		Assessed <ul style="list-style-type: none"> • written exam: 2 hours • 80 marks • 32% of A-level
Questions 60 marks of short and long answer questions and 25 multiple choice questions on content.		Questions 60 marks of short and long answer questions and 25 multiple choice questions on content.		Questions 45 marks of short and long answer questions on practical experiments and data analysis. 35 marks of short and long answer questions on optional topic.

What could this qualification lead to?

The A level physics course and the problem-solving skills it develops is useful in many different jobs including engineering, accountancy, agriculture, plans and land, environmental sciences, construction, manufacturing, medicine and nursing, medical technology, and science and research.

Careers using physics includes; Aerospace engineer, airline pilot, Architect, Biomedical engineers, science clinicians, medics, teachers, Quantity surveyors, radiographer, software developer, telecommunications engineers, TV producers, Veterinary surgeon, zookeeper

Exam Board Specification

[AS and A-level Physics Specification Specifications for first teaching in 2015 \(aqa.org.uk\)](http://aqa.org.uk)